



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Compatibility with A2L refrigerants for manufacturing date after 02 2023 only

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	30.10	39.50	51.20	65.40	82.20			
15.0	28.50	37.50	48.70	62.20	78.20	96.90		
20.0	26.90	35.50	46.10	59.00	74.20	91.90	112.50	136.00
25.0	25.30	33.40	43.50	55.70	70.00	86.80	106.00	128.50
30.0	23.60	31.30	40.80	52.30	65.80	81.70	100.00	121.00
35.0	21.90	29.20	38.10	48.90	61.60	76.50	93.70	113.50
40.0		27.00	35.40	45.40	57.30	71.20	87.30	106.00
45.0		24.80	32.50	41.90	52.90	65.90	80.90	98.10
50.0			29.70	38.30	48.50	60.50	74.40	90.40
55.0				34.70	44.10	55.00	67.80	82.60
60.0				31.00	39.50	49.50	61.20	74.70
65.0					35.00	43.90	54.50	66.70
70.0						38.30	47.70	

Cond °C	Power, kW							
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	11.25	12.55	13.65	14.45	14.90			
15.0	12.00	13.50	14.80	15.85	16.60	16.90		
20.0	12.75	14.35	15.85	17.15	18.20	18.85	19.10	18.85
25.0	13.40	15.15	16.85	18.40	19.70	20.70	21.30	21.50
30.0	13.95	15.90	17.80	19.55	21.20	22.50	23.50	24.10
35.0	14.45	16.55	18.60	20.60	22.50	24.20	25.60	26.60
40.0		17.10	19.40	21.60	23.80	25.80	27.50	29.00
45.0		17.60	20.10	22.60	25.00	27.30	29.40	31.30
50.0			20.70	23.40	26.10	28.80	31.20	33.50
55.0				24.20	27.20	30.10	33.00	35.60
60.0				24.80	28.10	31.40	34.60	37.70
65.0					29.00	32.60	36.20	39.70
70.0						33.70	37.70	

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50 Hz

8DL-370

R454C Dew Point

Cond °C	Current at 400 V, A							
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	31.83	33.05	34.11	34.89	35.27			
15.0	32.50	33.89	35.20	36.29	37.05	37.35		
20.0	33.14	34.71	36.27	37.67	38.82	39.58	39.83	39.46
25.0	33.75	35.50	37.31	39.04	40.57	41.79	42.58	42.81
30.0	34.30	36.25	38.31	40.37	42.30	43.99	45.31	46.14
35.0	34.80	36.94	39.26	41.65	43.99	46.15	48.01	49.46
40.0		37.57	40.16	42.89	45.63	48.27	50.68	52.74
45.0		38.13	40.99	44.06	47.21	50.33	53.29	55.98
50.0			41.74	45.16	48.73	52.34	55.85	59.16
55.0				46.18	50.17	54.27	58.35	62.29
60.0				47.10	51.52	56.12	60.76	65.34
65.0					52.78	57.87	63.09	68.31
70.0						59.52	65.32	

Cond °C	Suction Mass Flow, g/s							
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	143.00	188.50	245.00	314.00	397.00			
15.0	140.50	185.50	241.00	310.00	391.00	487.00		
20.0	137.50	182.00	237.00	305.00	385.00	480.00	590.00	719.00
25.0	134.50	178.50	233.00	299.00	378.00	472.00	581.00	708.00
30.0	131.00	174.50	228.00	293.00	371.00	463.00	571.00	697.00
35.0	127.00	170.00	223.00	287.00	364.00	454.00	560.00	684.00
40.0		165.00	217.00	280.00	355.00	444.00	549.00	671.00
45.0		159.50	210.00	272.00	346.00	434.00	537.00	658.00
50.0			203.00	264.00	336.00	422.00	523.00	643.00
55.0				255.00	325.00	410.00	509.00	627.00
60.0				244.00	314.00	396.00	494.00	611.00
65.0					301.00	382.00	479.00	594.00
70.0						367.00	463.00	

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COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	151
Bore/Stroke, mm	68.3/59.2
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	323
Gross Weight, kg	344
Suction, inch	2 5/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	457 x 305 (18)
Sound Pressure @ 1m, dBA	76.7
Sound Power, dBA	87.7
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	148
Refrigerant's classification	A2L

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	74.3
Locked Rotor Current, A	349
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

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ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75%
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00

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